BLOOD LEUKOCYTES IN GM-CSF

Culture 1d to adhere most monocytes Culture nonadherent cells 6d Feed with GM-CSF, culture 3d Rinse loose cells away

AGGREGATES AFFIXED TO A DENSE ADHERENT MONOLAYER

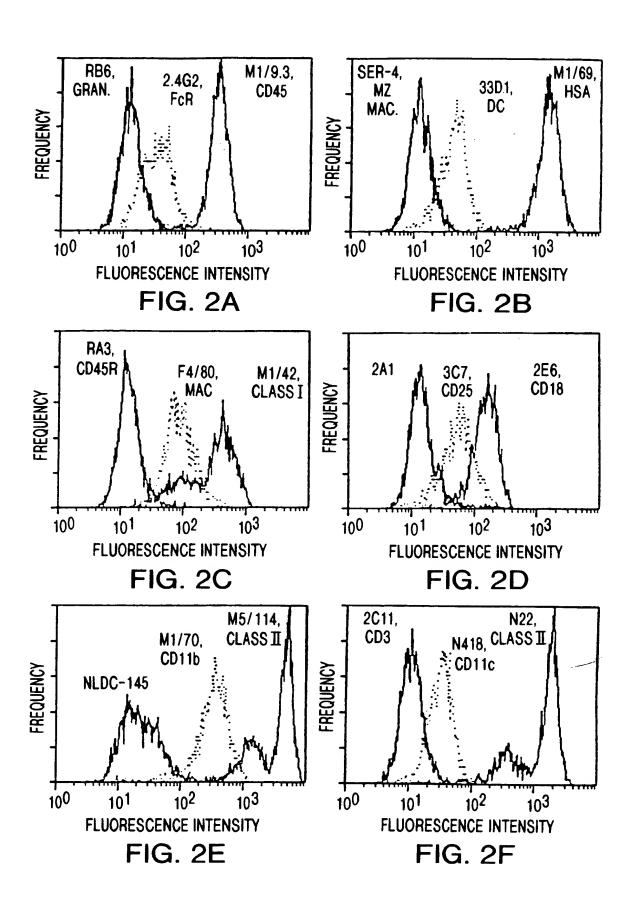
Dislodge aggregates with Pasteur pipettes Subculture one well to three in GM-CSF Culture 4-10d feeding q 3d DENDRITIC CELL AGGREGATES AFFIXED TO SCATTERED ADHERENT CELLS

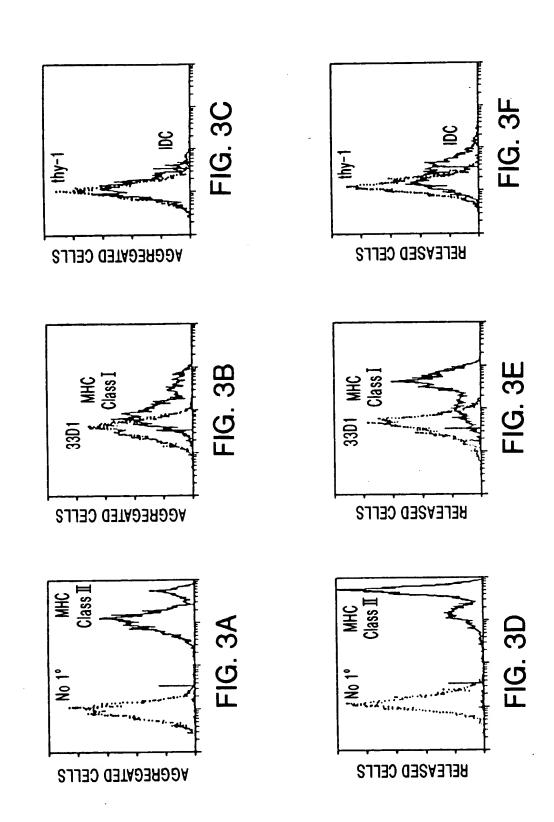
Subculh

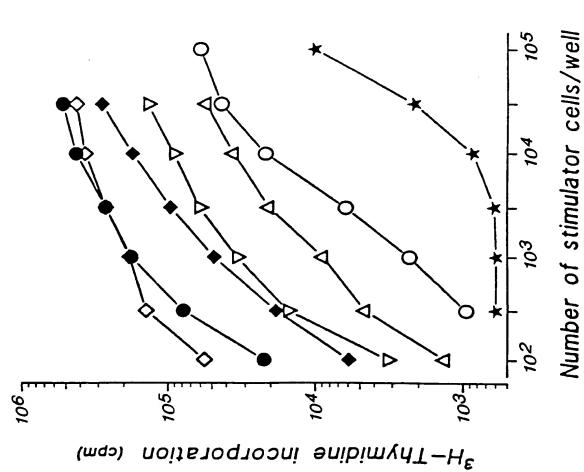
Subculture as above at 2-3 weeks

AGGREGATES ATTACHED TO A FEW ADHERENT CELLS PLUS RELEASED DENDRITIC CELLS

-1. 1





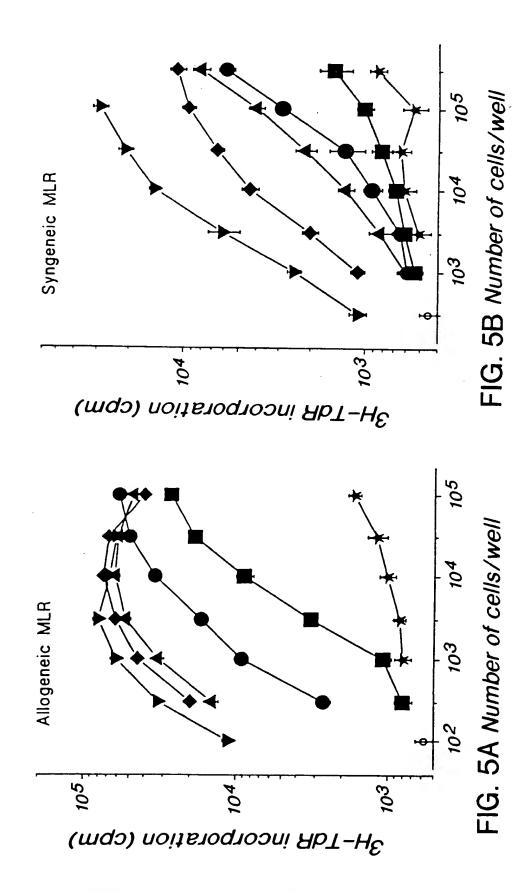


20 days, nonadherent VC

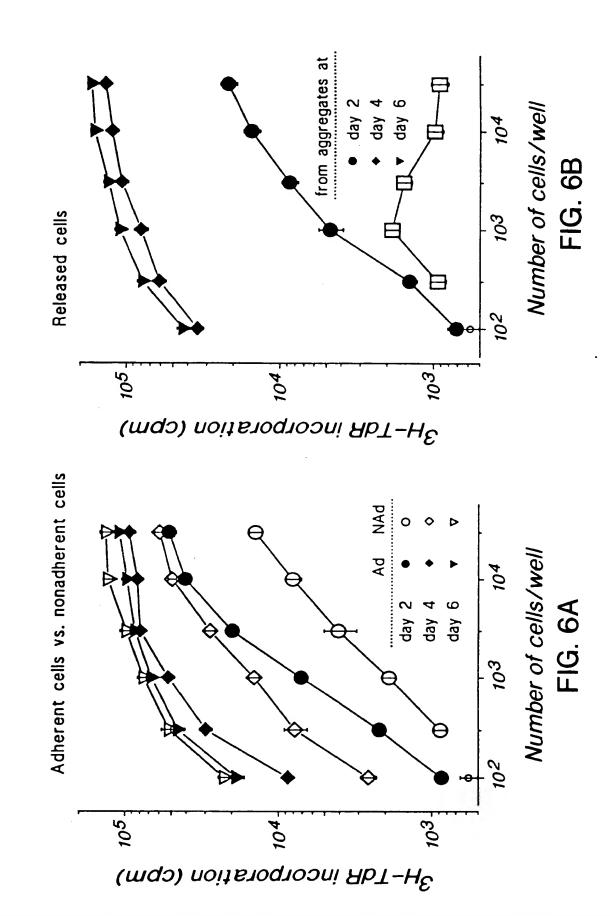
Spleen dendritic cells

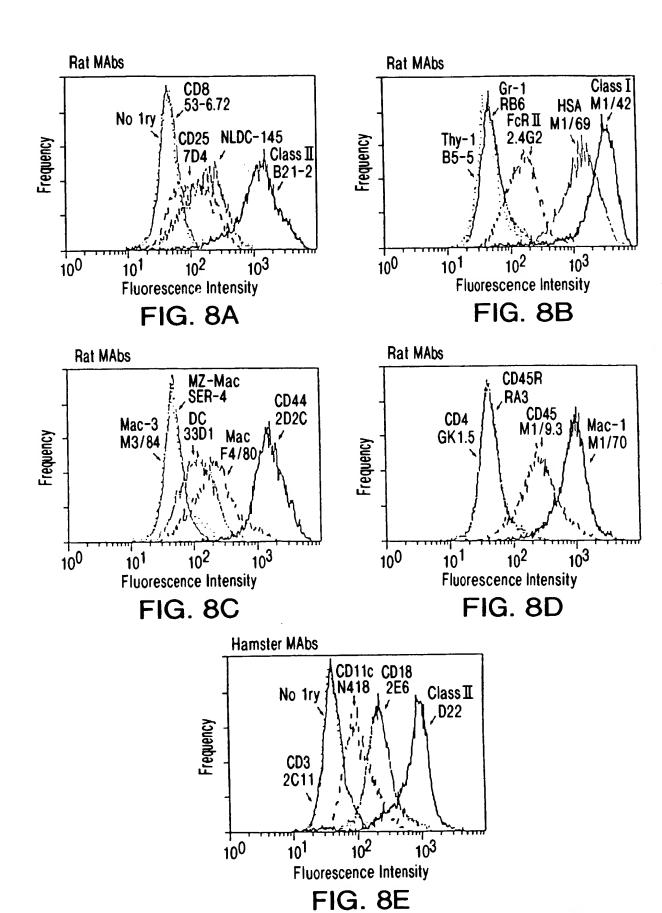
◆ 20 days, aggregated cells
 ▼ 14 days, loosely adherent
 △ 7 days, bulk population
 ○ 1 day, nonadherent
 ★ Fresh PBMC

FIG. 4



* 0 day,
 ■ 1 day,
 ● 2 day,
 ◆ 4 day,
 ◆ 5 day,
 ▼ 6 day





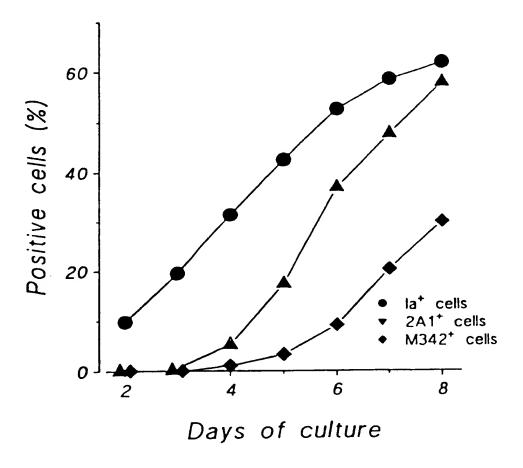
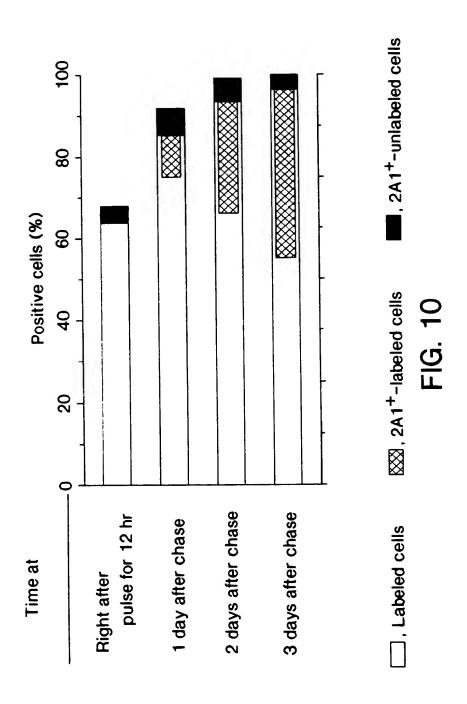


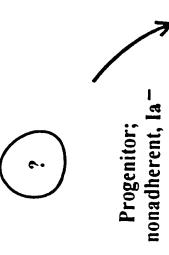
FIG. 9

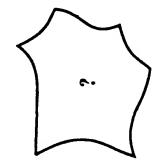


22 22

Nonproliferating dendritic cells; nonadherent, Ia++

Proliferating
aggregate;
loosely adherent, la+
FIG. 11





Progenitor; adherent, ?la+

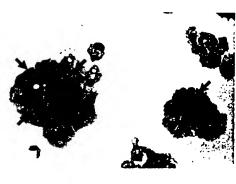
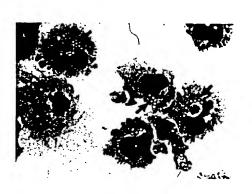


FIG.12A



F1G. 12B

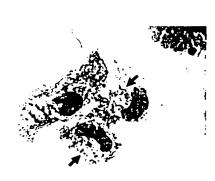


FIG.12C



FIG. 12D



FIG.13A

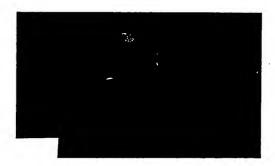


FIG. 13B



FIG. 13C

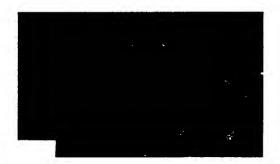


FIG. 13D

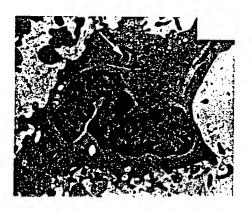


FIG.14A



FIG. 14B

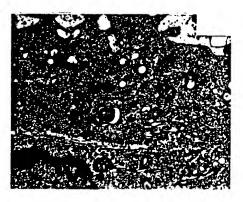


FIG. 14C

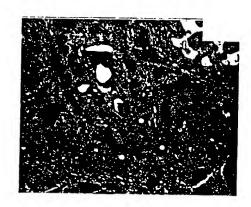
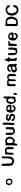
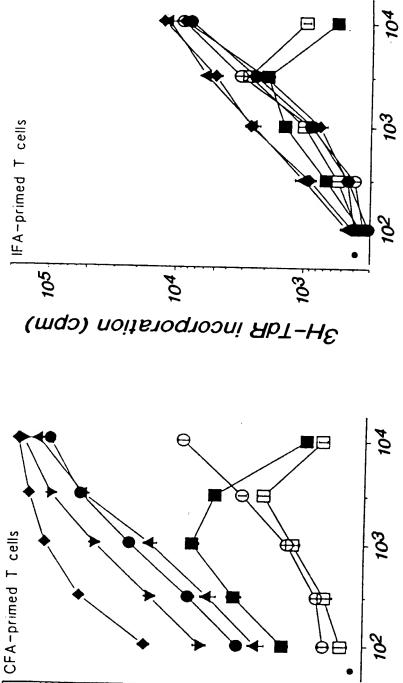


FIG. 14D



- Unpulsed, mature DC + PPD
 - Macrophage enriched
- Macrophage enriched + PPD
 - Immature, BCG-pulsed DC
 - Mature, BCG-pulsed DC
- · Mature, BCG-pulsed and chased DC

105



401

3H-TdR incorporation (cpm)

60

Number of dendritic cells/well FIG. 15A

Number of dendritic cells/well FIG. 15B

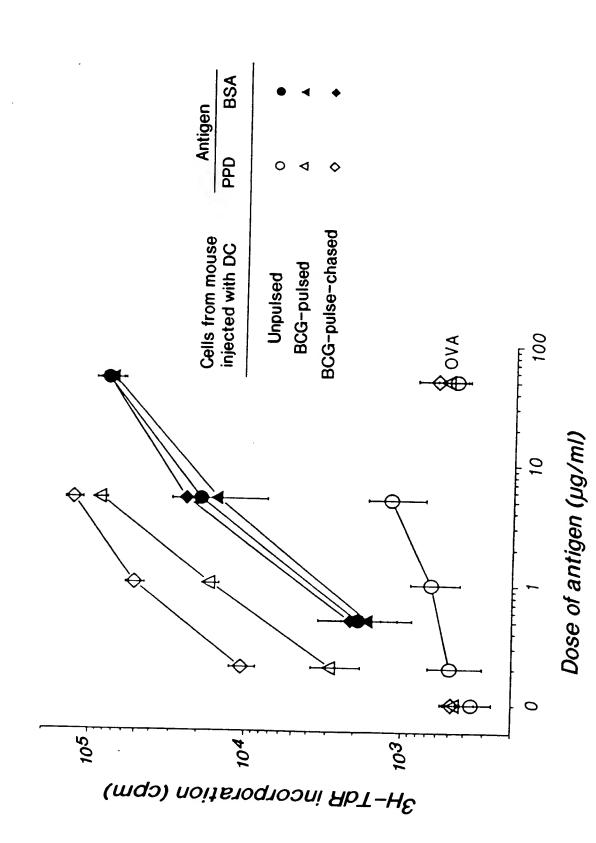
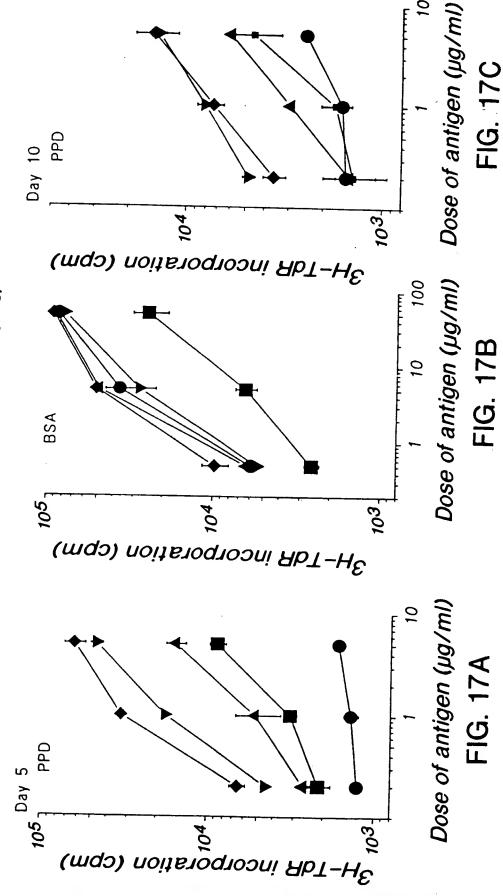


FIG. 16

Unpulsed mature DC



Immature, BCG-pulsed (add BCG to growing d5-6 aggregates)

Mature, BCG-pulsed and chased (add BCG d5-6, wash, chase to 8d) Macrophage-enriched (add BCG d7-8)

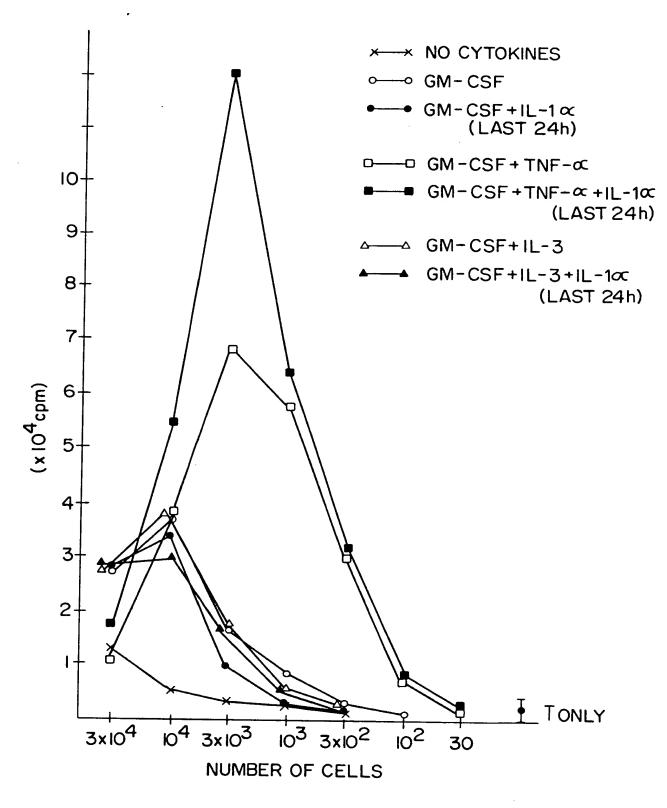


FIG. 18A

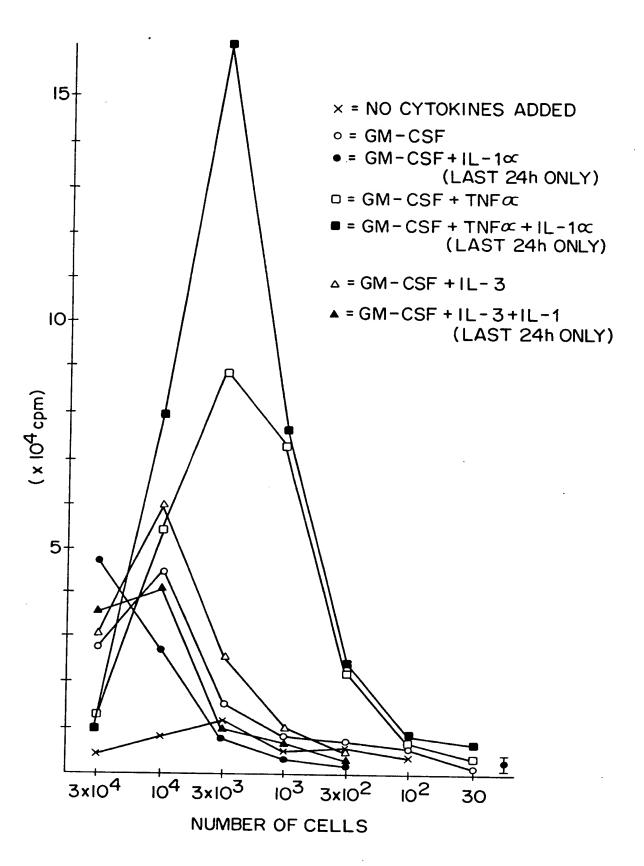


FIG. 18B

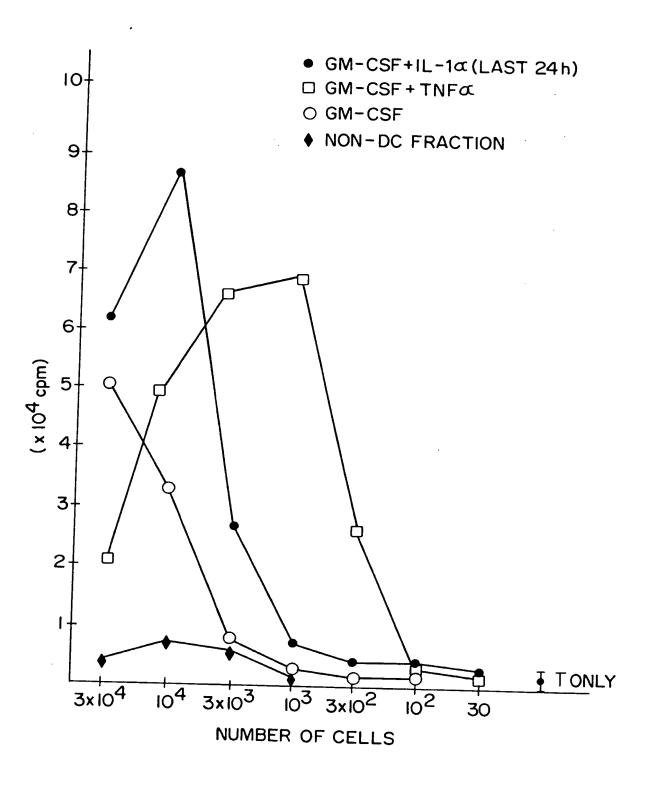


FIG. 18C